

92190

October-24-12 11:41:11 AM

N900040100

Setup Start *NS1*

Stop *NS2*

8

8

Reference:

Run Start *NR1*

Date: 12-10-24

Date:

Stop ***NR2***

Date:

Date:

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
DSK077	Rev A								
100		0.00				7	0		
100	MORI SEIKI CNC LATHE LARGE								
Doosan	Memo	0.00							
Doosan Lathe	Turn blank as per Folio FA082 check bore with DT8495		SA	121116					
110		0.00				7	0		
110	QC2- Inspect parts off machine FAI/FAIB								
QC	Memo	0.00							
Quality Control			DAS 13 9-89	121116					
120		0.00				7	0		
120	QC8- Inspect parts - second check								
QC	Memo	0.00							
Quality Control			OK	1211167					DAS 14 9-89

NCR: Yes / No

WORK ORDER NON-CONFORMANCE / UPDATE

DQA: _____ Date: _____

QA Closed: _____ Date: _____

Work Order: _____ Part No. _____ NCR No. _____				DISPOSITION Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Work Order Update <input type="checkbox"/>		AGAINST DEPARTMENT/PROCESS <div style="display: flex; justify-content: space-between;"> <div> Skid-tube <input type="checkbox"/> Machining <input type="checkbox"/> Thermoforming <input type="checkbox"/> Large Fab <input type="checkbox"/> </div> <div> Crosstube <input type="checkbox"/> Small Fab <input type="checkbox"/> Finishing <input type="checkbox"/> Composite <input type="checkbox"/> </div> <div> Water Jet <input type="checkbox"/> Prod. Eng. Coord. <input type="checkbox"/> Rec/Store/Packaging <input type="checkbox"/> Supplier <input type="checkbox"/> </div> <div> Engineering <input type="checkbox"/> Quality <input type="checkbox"/> Other <input type="checkbox"/> </div> </div>					
Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector		
Doc/Data <input type="checkbox"/>											
Equip/Tooling <input type="checkbox"/>											
Operator <input type="checkbox"/>											
Material <input type="checkbox"/>											
Setup <input type="checkbox"/>											
Other <input type="checkbox"/>											
Process <input type="checkbox"/>											
Supplier <input type="checkbox"/>											
Training <input type="checkbox"/>											
Unapproved <input type="checkbox"/>											

FAULT CATEGORY			
Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube	General <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio	<input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions	<input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge <input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Other

Work Order ID 92190

October-24-12 11:41:11 AM

92190

Page 2

Item ID: DSK077 Accept ***N900040100*** Setup Start ***NS1***
 Revision ID: Stop ***NS2***
 Item Name: D2892-1 TURNING DETAIL
 Start Date: 10/23/12 Start Qty: 8.00 ***8*** Cust Item ID:
 Required Date: 11/09/12 Req'd Qty: 8.00 ***8*** Customer:
 Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
 QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130	Packaging	0.00							DAS 14 9-89
130									
Packaging	Memo	0.00							
Packaging	Identify and Stock in Kanban Location: <u>MAT 60</u>								
140	QC21- Final Inspection - Work Order Release	0.00							
140									
QC	Memo	0.00							
Quality Control									

OK 12/11/07

7 15

12/11/07

MLJ 12-11-07

NCR: Yes / No

WORK ORDER NON-CONFORMANCE / UPDATE

DQA: _____ Date: _____

QA Closed: _____ Date: _____

Work Order: _____ Part No. _____ NCR No. _____				DISPOSITION Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Work Order Update <input type="checkbox"/>		AGAINST DEPARTMENT/PROCESS <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">Skid-tube <input type="checkbox"/></td> <td style="width: 33%;">Crosstube <input type="checkbox"/></td> <td style="width: 33%;">Water Jet <input type="checkbox"/></td> <td style="width: 33%;">Engineering <input type="checkbox"/></td> </tr> <tr> <td>Machining <input type="checkbox"/></td> <td>Small Fab <input type="checkbox"/></td> <td>Prod. Eng. Coord. <input type="checkbox"/></td> <td>Quality <input type="checkbox"/></td> </tr> <tr> <td>Thermoforming <input type="checkbox"/></td> <td>Finishing <input type="checkbox"/></td> <td>Rec/Store/Packaging <input type="checkbox"/></td> <td>Other <input type="checkbox"/></td> </tr> <tr> <td>Large Fab <input type="checkbox"/></td> <td>Composite <input type="checkbox"/></td> <td>Supplier <input type="checkbox"/></td> <td></td> </tr> </table>						Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>	Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>	
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Picklist Print

October-24-12 11:41:11 AM

Page 1
T

Work Order ID: 92190

Parent Item: DSK077

Parent Item Name: D2892-1 TURNING DETAIL

Start Date: 10/23/12

Required Date: 11/09/12

Start Qty: 8.00

Required Qty: 8.00

Comments: IPP rev A. 08.03.13 new issue EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D6104-003 Round Billet, 17-4		Manufactured	No				Each	7.0000		8			

Location

Loc Qty

Loc Code

MAT043

7

60943

3

81882

3

89822

1

7 SA 12/11/16

92197

out of Mat.

NCR: Yes / No

WORK ORDER NON-CONFORMANCE / UPDATE

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DART AEROSPACE LTD		Work Order:	92190
Description: Turning Detail for D2892-1		Part Number:	DSK077
Inspection Dwg: DSK077	Rev: A	Page 1 of 1	

FIRST ARTICLE INSPECTION DIMENSION SHEET

☒ First Article ☐ Prototype

				Record Actual Dimensions				
Dim	Min	Max	Go/No Go Gauge	1	2	3	4	5
Lathe Section								
A	2.524	2.529		2.524	2.524	2.524	2.523	2.525
B	3.702	3.722		3.713	3.713	3.713	3.713	3.713
C	2.814	2.834		2.823	2.824	2.823	2.824	2.823
D	0.718	0.738		.728	.728	.728	.728	.728
E	0.090	0.110		.100	.100	.101	.100	.100
F	2.714	2.734		2.724	2.723	2.723	2.723	2.724
G	2.029	2.049		2.039	2.039	2.039	2.039	2.039
H	3.214	3.234		3.223	3.224	3.223	3.223	3.223
I	0.913	0.933		.930	.930	.930	.930	.930
J	0.022	0.042		.031	.031	.031	.031	.031
K	0.090	0.110		.098	.098	.098	.098	.098
L								
M								
N								
O								
P								

Measured by: <i>DAS 13-09</i>	Date: 12/18/16
Audited by: <i>DAS 14-09</i>	Date: 12/11/07
Prototype Approval:	Date:

Rev	Date	Change	Revised by	Approved
A	08.04.22	New Issue	KJ/JLM	<i>[Signature]</i>

DART AEROSPACE LTD		Work Order:	92190
Description: Turning Detail for D2892-1		Part Number:	DSK077
Inspection Dwg: DSK077		Rev: A	Page 1 of 1

FIRST ARTICLE INSPECTION DIMENSION SHEET

☒ First Article ☐ Prototype

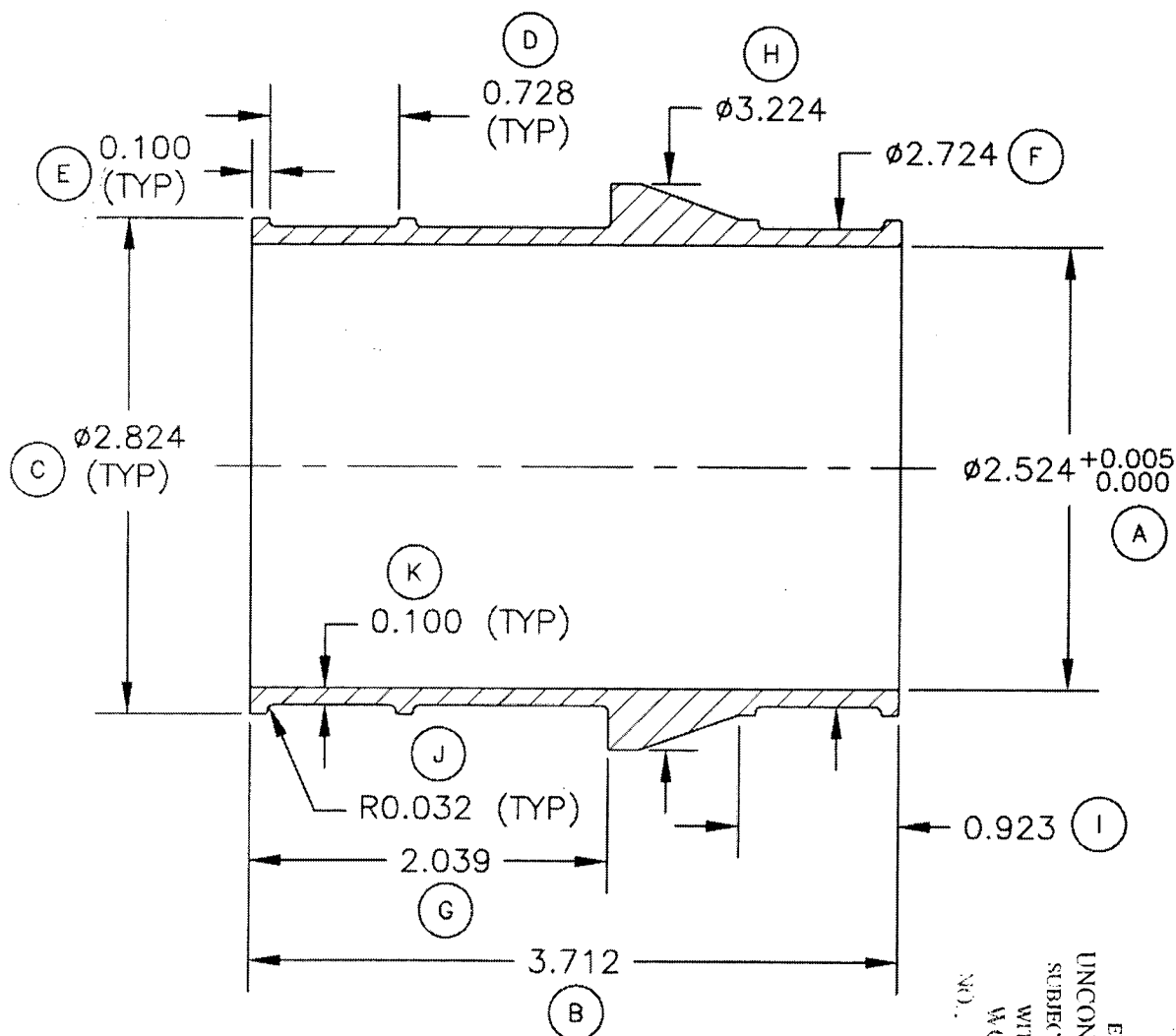
				Record Actual Dimensions				
Dim	Min	Max	Go/No Go Gauge	1	2	3	4	5
Lathe Section								
A	2.524	2.529		2.525	2.528			
B	3.702	3.722		3.7125	3.713			
C	2.814	2.834		2.823	2.823			
D	0.718	0.738		-728	-728			
E	0.090	0.110		-101	-101			
F	2.714	2.734		2.723	2.723			
G	2.029	2.049		2.039	2.039			
H	3.214	3.234		3.224	3.223			
I	0.913	0.933		-930	-930			
J	0.022	0.042		-031	-031			
K	0.090	0.110		-097	-097			
L								
M								
N								
O								
P								

Measured by:	<i>DAS</i> 13 9-89	Date:	12/10/06
Audited by:	<i>DAS</i> 14 9-89	Date:	12/11/07
Prototype Approval:		Date:	

Rev	Date	Change	Revised by	Approved
A	08.04.22	New Issue	KJ/JLM	<i>[Signature]</i>



DESIGN H	DRAWN BY H	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED H	APPROVED H	DRAWING NO. DSK 077	REV. A SHEET 1 OF 1
DATE 03.05.20		TITLE TURNING DETAIL FOR D2892-1	SCALE 1:1
A	03.05.20	NEW ISSUE	



D2892-1 TURNING DETAIL

SHOWN
RETURN
ENGINE
UNCONTROLLED
SUBJECT TO
WITHDRAWAL
NO. 92190M25
12-10-24

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